



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/building](http://www.miamidade.gov/building)

## NOTICE OF ACCEPTANCE (NOA)

Hurst Awning Co., Inc.  
6865 N.W. 36<sup>th</sup> Ave.  
Miami, FL 33147

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** Aluminum Bahama Sun Shade (This is NOT a Shutter)

**APPROVAL DOCUMENT:** Drawing No. 12-061, titled "Shade Bahama Decorative Shade Louver", sheets 1 through 5 of 5, prepared by EngCo., Inc., dated March 24, 2012, signed and sealed by Pedro De Figueiredo, P.E., on April 09, 2012, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** NONE

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 09-0331.08 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



*Helmy A. Makar*  
08/02/2012

NOA No. 12-0423.10  
Expiration Date: 04/01/2014  
Approval Date: 08/02/2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-1030.03**

**A. DRAWINGS**

1. *Drawing No. 03-206, titled "Shade Bahama", sheets 1 through 3 of 3, prepared by Knezevich & Associates, Inc., dated October 12, 2003, last revision #1 dated March 04, 2004, signed and sealed by V.J. Knezevich, P.E.*

**B. TESTS**

1. *Test report on Uniform Static Air Pressure Test, per TAS 202, on Bahama Shade, prepared by Construction Testing Corporation, Report No. 03-019, dated August 21, 2003, signed and sealed by Yamil G. Kuri, P.E.*

**C. CALCULATIONS**

1. *Anchor calculation, titled " Shade Bahama " dated October 15, 2003, Pages 1 through 3 of 3, prepared by Knezevich & Associates, Inc., signed and sealed by V.J. Knezevich, P.E.*

**D. QUALITY CONTROL**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *Mill Certified Inspection Report issued by INDALEX, dated 12/13/94, with chemical composition and mechanical properties for aluminum alloy 6063-T6 for louver blade Part no. GAS-42150.*
2. *Certified Tensile Test Report No. HETI 94-T43, for colonial shutter specimen, prepared by Hurricane Engineering & Testing, Inc., Report , dated 11/09/9494, per ASTM-E8-93, signed and sealed by Hector M. Medina, P.E.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0331.08**

**A. DRAWINGS**

1. *Drawing No. 09-098, titled "Shade Bahama Decorative Shade Louver", sheets 1 through 5 of 5, prepared by EngCo., Inc., dated May 16, 2009, signed and sealed by Pedro De Figueiredo, P.E., on June 30, 2009.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

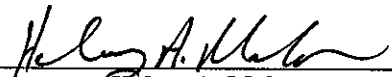
1. *Anchor calculation, titled " Shade Sun Bahama FBC 2007" dated June 30, 2009, 23 Pages, prepared by EngCo., Inc., signed and sealed by Pedro De Figueiredo, P.E.*

**D. QUALITY CONTROL**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 12-0423.10**  
**Expiration Date: 04/01/2014**  
**Approval Date: 08/02/2012**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 12-061, titled "Shade Bahama Decorative Shade Louver", sheets 1 through 5 of 5, prepared by EngCo., Inc., dated March 24, 2012, signed and sealed by Pedro De Figueiredo, P.E., on April 09, 2012.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

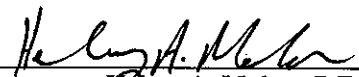
1. *None.*

**D. QUALITY CONTROL**

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 12-0423.10**  
**Expiration Date: 04/01/2014**  
**Approval Date: 08/02/2012**

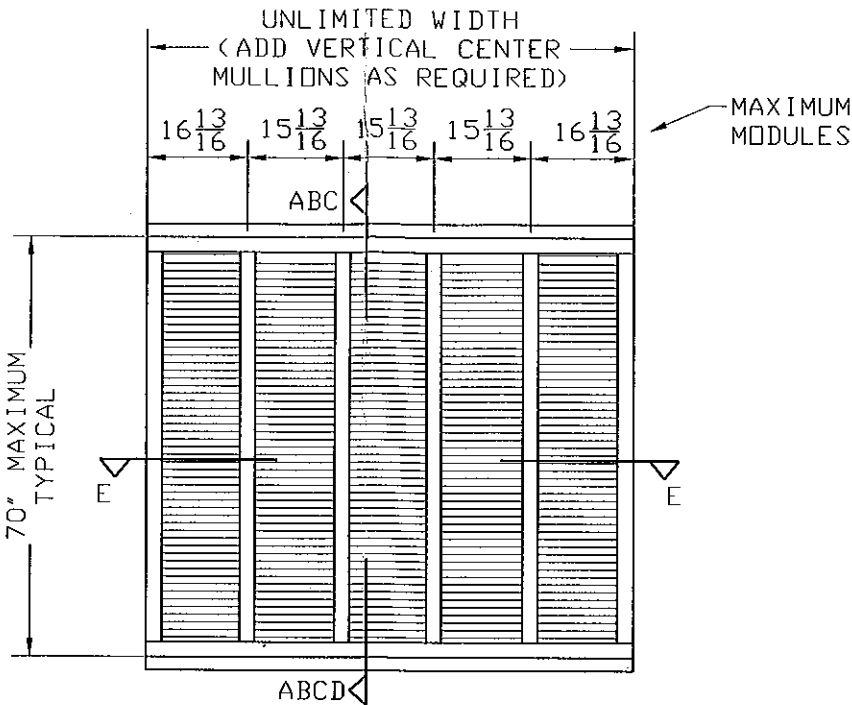
GENERAL NOTES: - (FLORIDA BUILDING CODE 2010)

- 1- DEFINITION: THIS PRODUCT IS A SHADE BAHAMA, TESTED UNDER TAS 202 & DESIGNED TO BE USED AS DECORATIVE CLADDING AND PROTECTIVE SUN SCREEN. THIS PRODUCT USE IS LIMITED TO THE ALLOWABLE DESIGNED PRESSURE STATED IN THIS APPROVAL AND MUST NOT BE USED AS AN APPROVED HURRICANE PROTECTION DEVICE.
- 2- CODE: THIS PRODUCT IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION.
- 3- POSTING: A PRODUCT MARKING PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:
- HURST AWNING COMPANY, INC.  
MIAMI - FLORIDA  
DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- WARNING LABEL: THIS SHADE BAHAMA MUST BE PROVIDED WITH A WARNING PERMANENT LABEL STATING THAT THIS PRODUCT IS NOT DESIGNED TO PROVIDE IMPACT RESISTANCE THEREFORE NOT APPROVED AS A HURRICANE PROTECTION. THE PRODUCT MAY BE LEFT IN THE OPEN OR CLOSED POSITION DURING HURRICANE EVENT.
- 5- LOADS: THE PROJECT DESIGN PRESSURES, PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER, AS DETERMINED FROM SECTION 1620 AND ASCE 7-10 MUST BE MULTIPLIED BY 0.6 FACTOR. THE PROJECT DESIGN PRESSURES MUST NOT EXCEED THE PRODUCT ALLOWABLE PRESSURES AS PER TAS 202.
- 6- MATERIAL: ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 OR AS INDICATED IN THIS SET OF DRAWINGS
- 7- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED BY THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING.
- 8- THE CONTRACTOR MUST VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE IN SUSTAINING THE PRODUCT IMPOSED LOADS.
- 9- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FBC SECTION 2003.8.4.

TABLE OF CONTENTS:

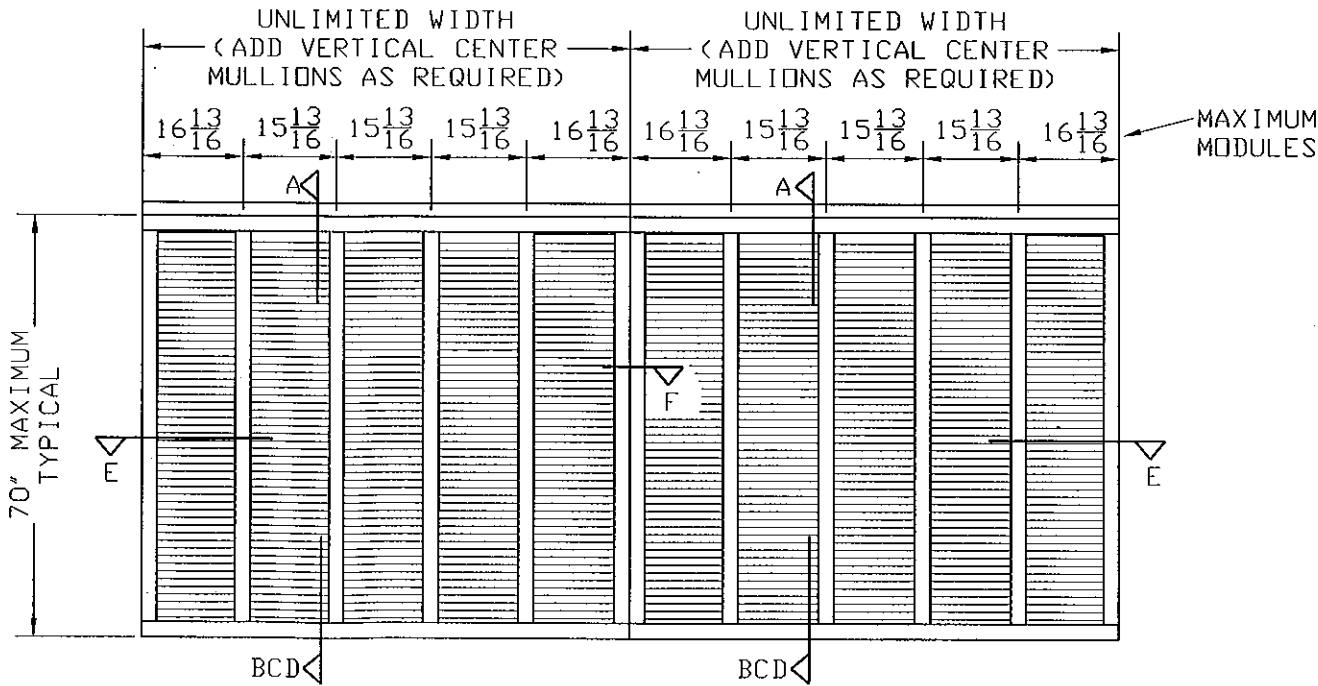
SHEET	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS TABLE OF CONTENTS & ALLOWABLE PRESSURES
2	VERTICAL SECTIONS SECTIONS AA, BB, CC
3	VERTICAL SECTION D AND HORIZONTAL SECTIONS E AND F
4	ANCHOR SCHEDULE, SHADE ASSEMBLY
5	PRODUCT COMPONENTS

SINGLE SHADE FRONT ELEVATION



ALLOWABLE PRESSURES:
PD= +62.4 PSF, -72.8 PSF CLOSED OR OPEN POSITION:
NON IMPACT RESISTANT

MULTIPLE SHADE FRONT ELEVATION



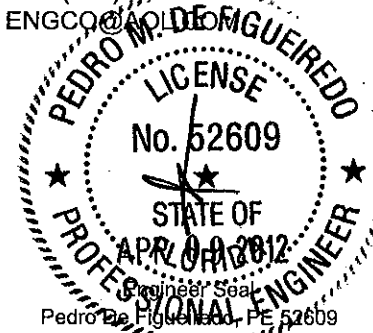
MANUFACTURER:  
**Hurst Awning  
Company, Inc**

6865 NW 36th AVE.  
MIAMI, FLORIDA 33147  
TEL.: (305) 635-0900  
FAX.: (305) 634-9078

PRODUCT:  
**SHADE BAHAMA**  
DECORATIVE SHADE LOUVER

Engineering:  
**EngCo Inc.**

CA 8116  
5595 Orange Dr. 201  
Davie, FL 33314  
Tel.: (954) 585-0304  
Fax: (954) 585-0305  
ENGCO@AOL.COM



MIAMI-DADE BCCD:

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 12-0423.10  
Expiration Date 04/01/2014  
By: *[Signature]*  
Miami Dade Product Control

Date: 03/24/12  
Scale: NA  
Design by: PPMF

Drawing Number  
**12-061**

SHEET  
**1 of 5**

MANUFACTURER:  
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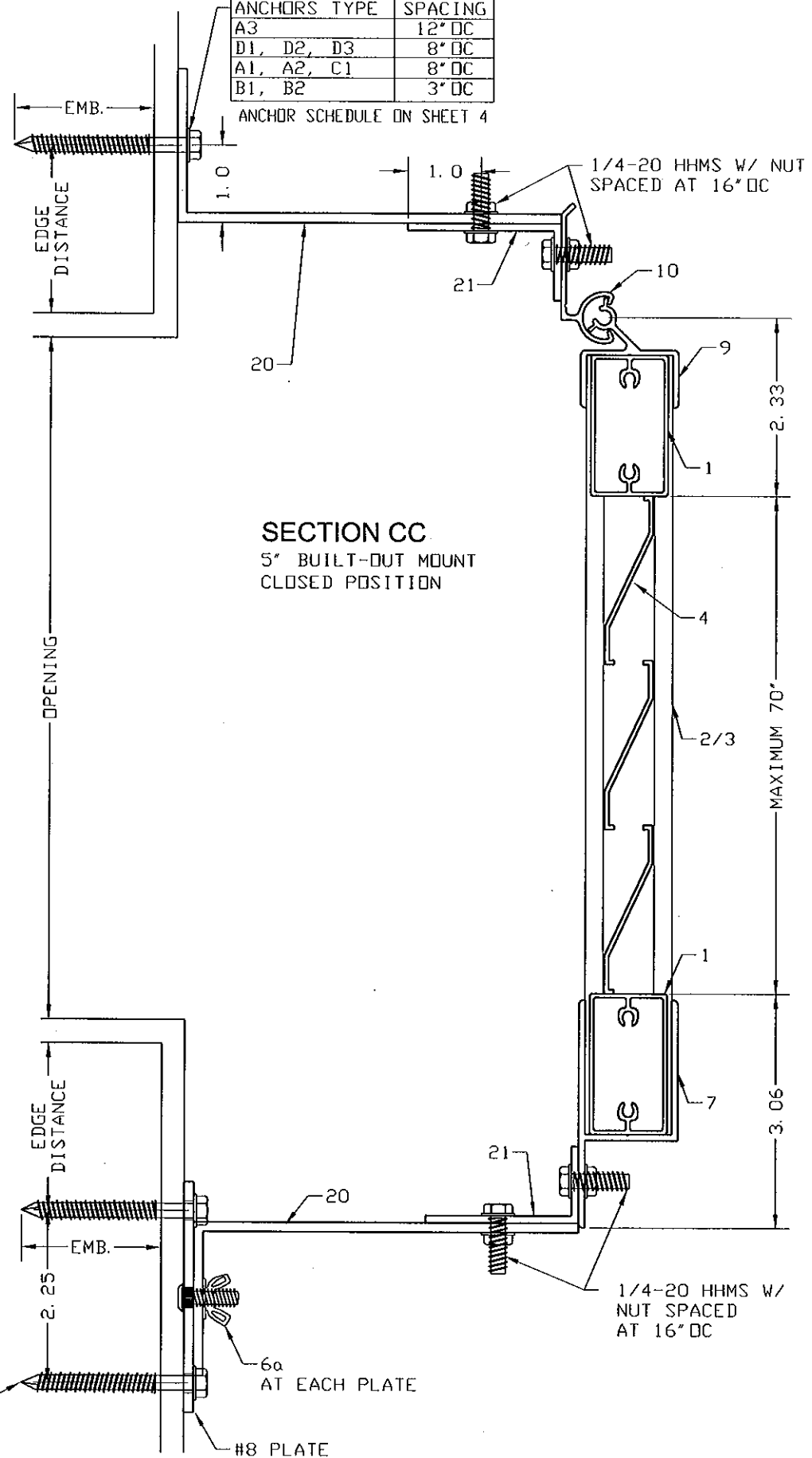
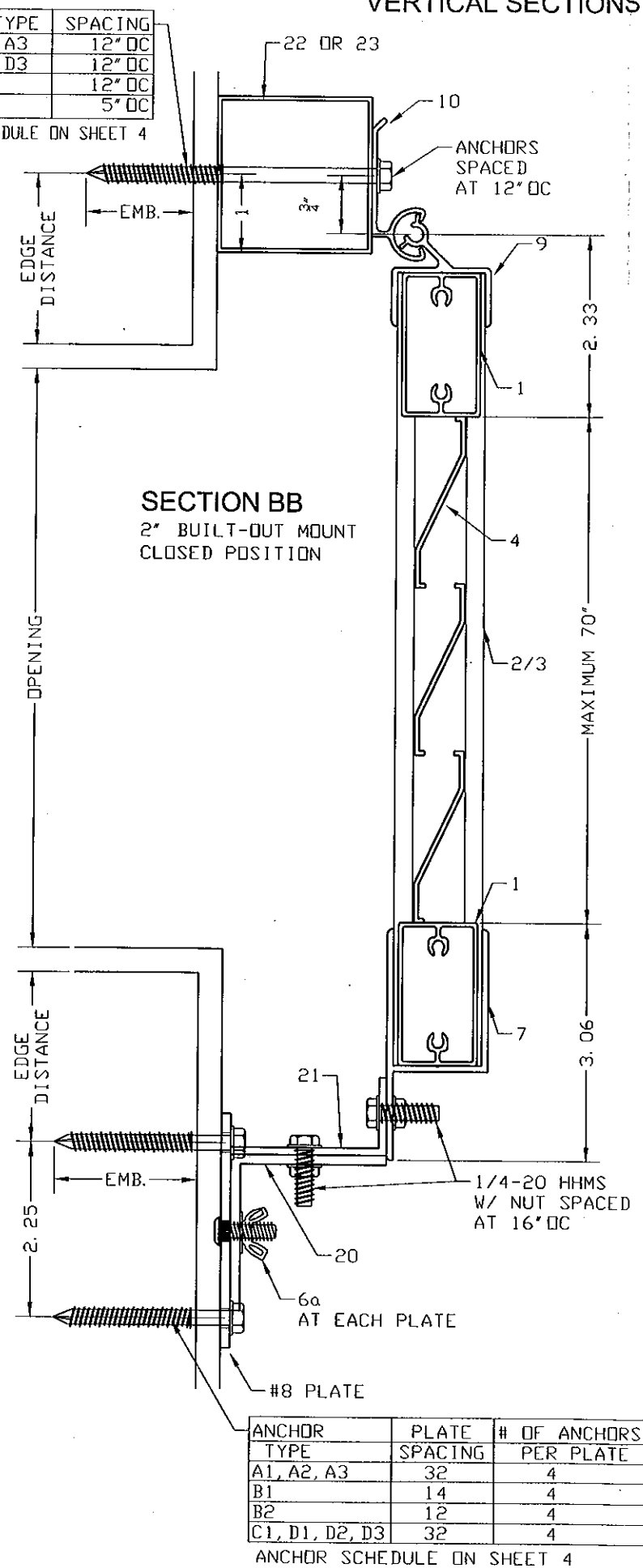
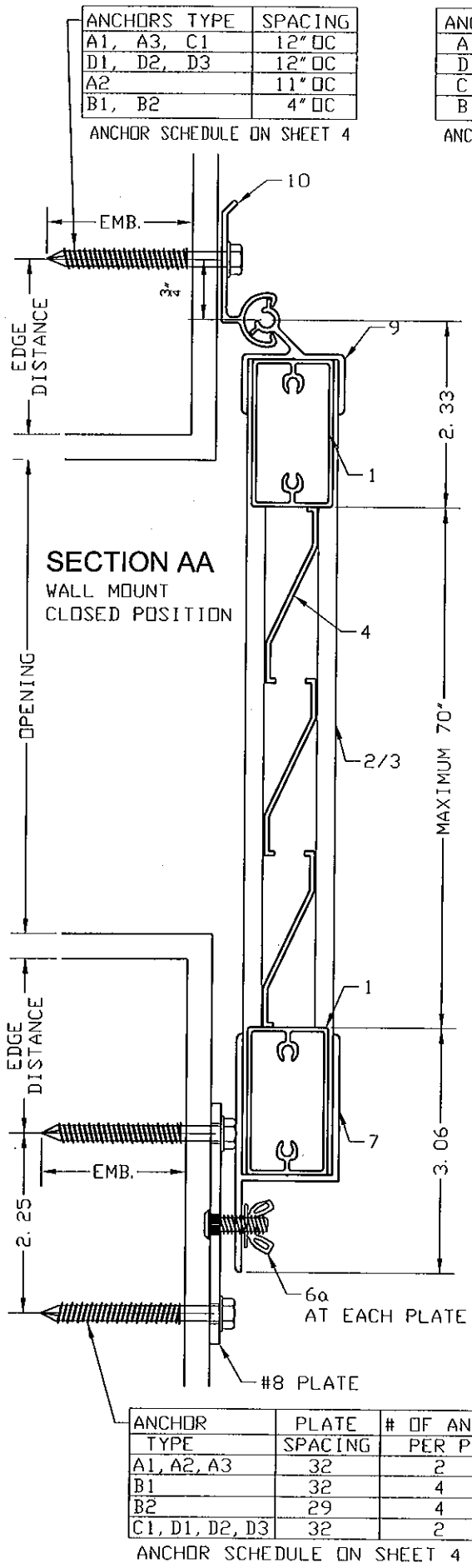
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Miami Dade Product Control

Date: 03/24/12  
Scale: NA  
Design by: PPMF

Drawing Number  
**12-061**

SHEET  
2 of 5

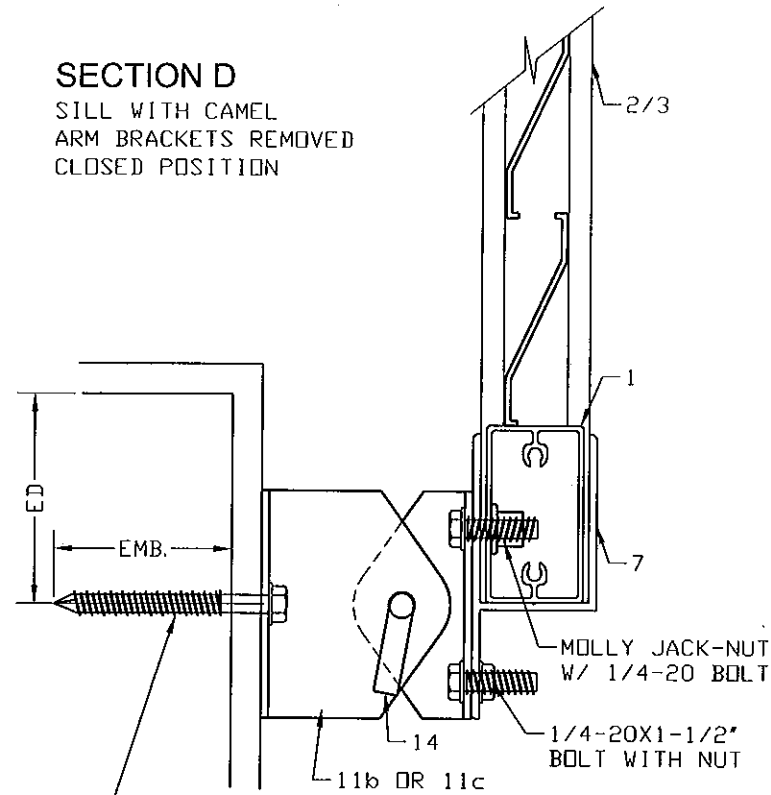
VERTICAL SECTIONS



# VERTICAL SECTIONS

## SECTION D

SILL WITH CAMEL  
ARM BRACKETS REMOVED  
CLOSED POSITION

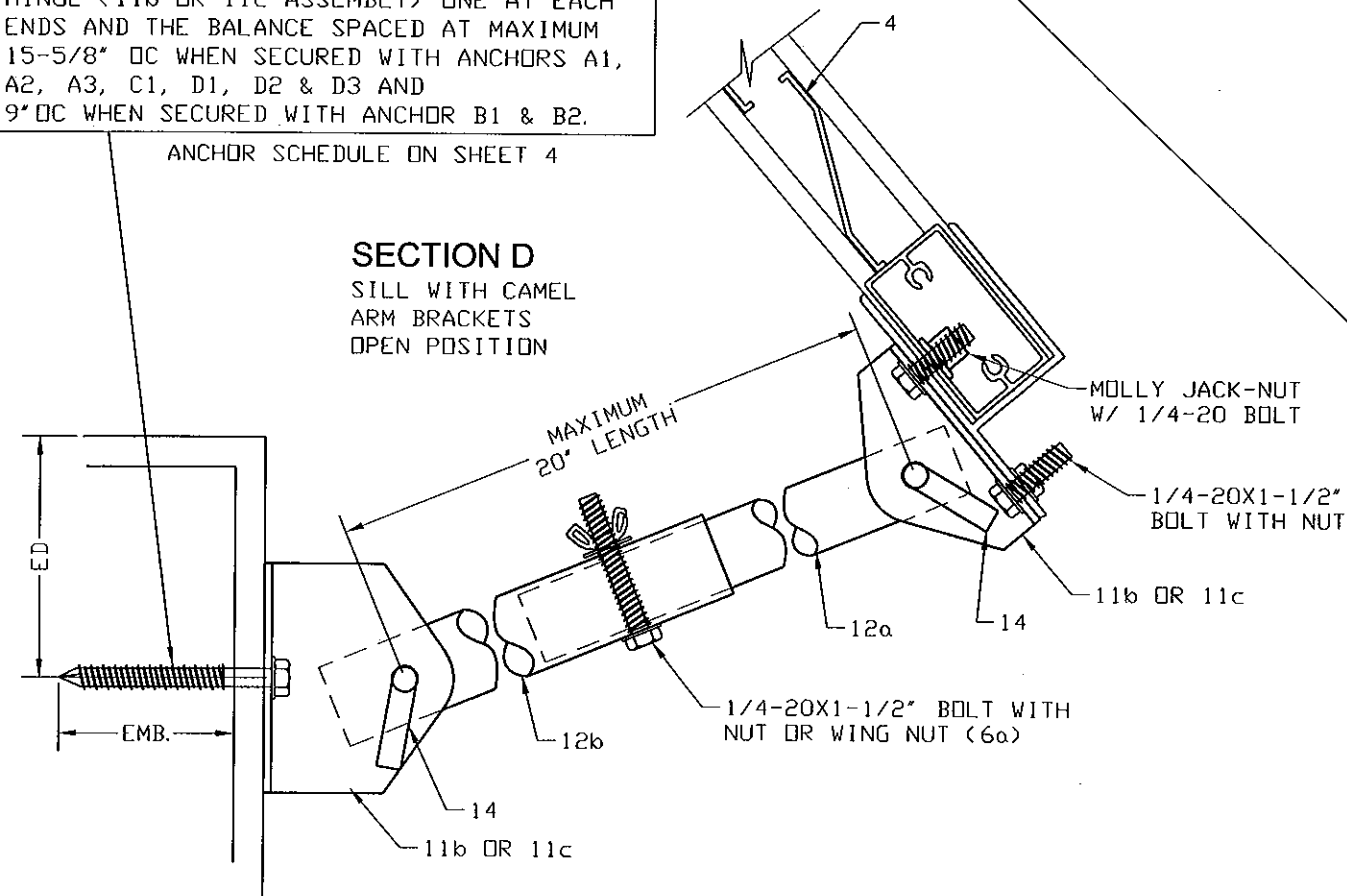


NOTE:  
ALUMINUM PIPES (REMOVABLE) AND CAMEL BACK  
HINGE (11b OR 11c ASSEMBLY) ONE AT EACH  
ENDS AND THE BALANCE SPACED AT MAXIMUM  
15-5/8" OC WHEN SECURED WITH ANCHORS A1,  
A2, A3, C1, D1, D2 & D3 AND  
9" OC WHEN SECURED WITH ANCHOR B1 & B2.

ANCHOR SCHEDULE ON SHEET 4

## SECTION D

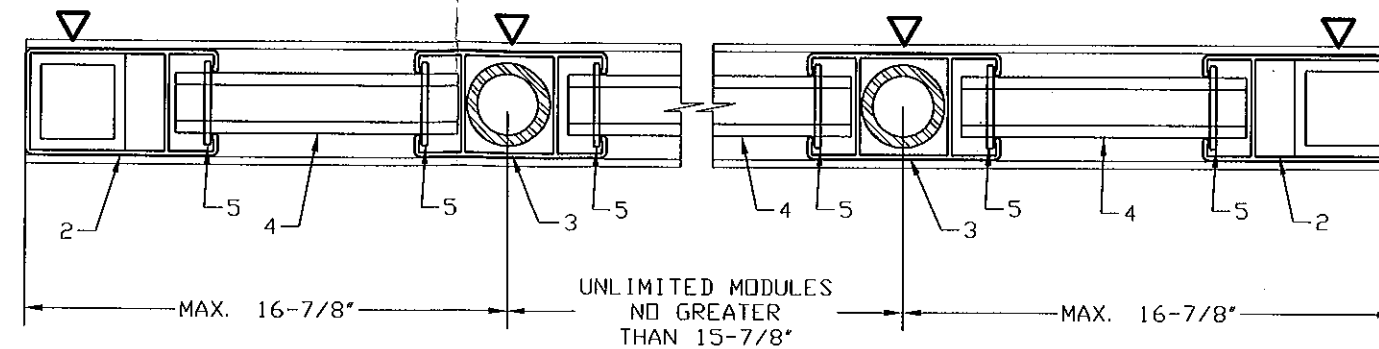
SILL WITH CAMEL  
ARM BRACKETS  
OPEN POSITION



# HORIZONTAL SECTIONS

## SECTION E

SINGLE HORIZONTAL SECTION

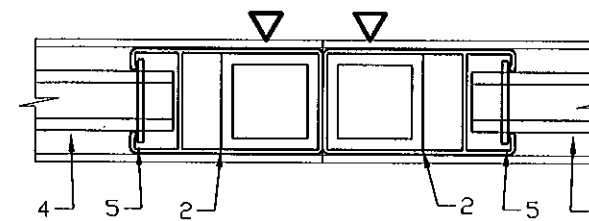


NOTE:  
ALUMINUM PIPES (REMOVABLE) AND CAMEL BACK  
HINGE (11b OR 11c ASSEMBLY) ONE AT EACH  
ENDS AND THE BALANCE SPACED AT MAXIMUM  
15-5/8" OC WHEN SECURED WITH ANCHORS A1,  
A2, A3, C1, D1, D2 & D3 AND  
9" OC WHEN SECURED WITH ANCHOR B1 & B2.

ANCHOR SCHEDULE ON SHEET 4

## SECTION F

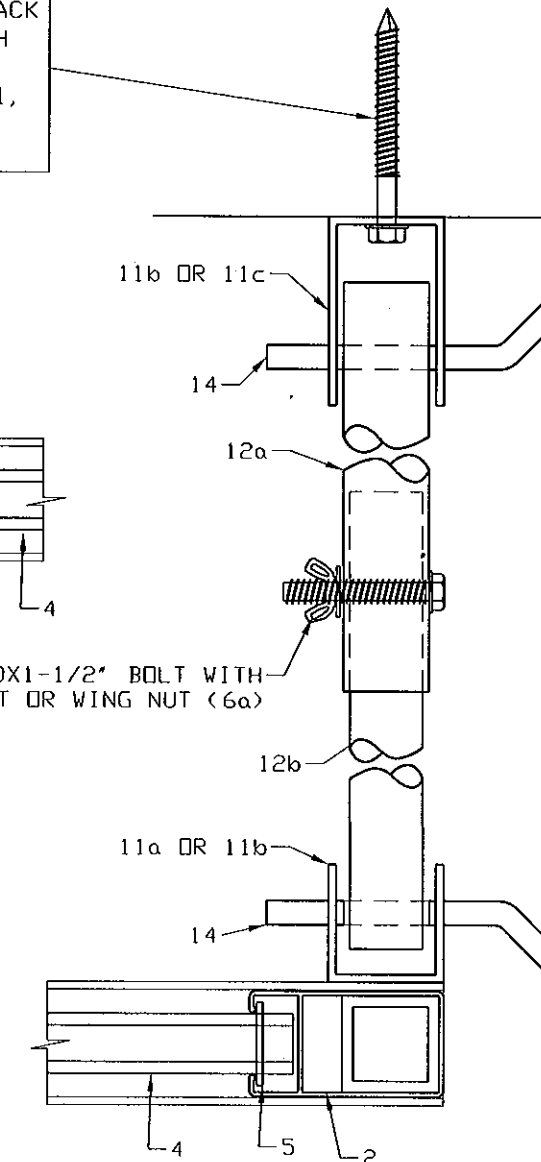
MULTIPLE UNITS SECTION



1/4-20X1-1/2" BOLT WITH  
NUT OR WING NUT (6a)

## REMOVABLE ARM

OPEN UNITS  
WITH REMOVABLE ARMS



NOTE:  
ALUMINUM PIPES (REMOVABLE) AND CAMEL BACK HINGE  
(11b OR 11c ASSEMBLY) ONE AT EACH ENDS AND THE  
BALANCE SPACED AT MAXIMUM 15-5/8" OC WHEN SECURED  
WITH ANCHORS A1, A2, A3, C1, D1, D2 & D3 AND  
9" OC WHEN SECURED WITH ANCHOR B1 & B2.

MANUFACTURER:

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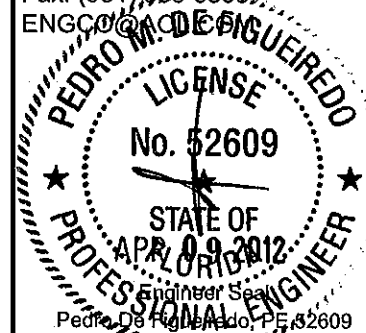
PRODUCT:

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Date: 03/24/12  
Scale: NA  
Design by: PPMF

Drawing Number  
**12-061**

SHEET  
**3 of 5**

ANCHOR SCHEDULE

	TYPE	DESCRIPTION	SUBSTRATE	EMB.	ED
CONCRETE	A1	1/4" ITW TAPCON	3192 PSI CONCRETE	1.75	2.5
	A2	1/4" ELCO ULTRACON	2700 PSI CONCRETE	1.75	2.5
	A3	"SAMMYS SSC" SCREW	3295 PSI CONCRETE	1.875	2.5
MASONRY	B1	1/4" ITW TAPCON	HOLLOW CMU C90	1.25	2.5
	B2	1/4" ELCO ULTRACON	HOLLOW CMU C90	1.25	2.5
	C1	1/4" ELCO ULTRACON	GF CMU C90	2.25	2.5
WOOD	D1	1/4" TAPCON/ ULTRACON	WOOD SG>=0.55	1.5	0.75
	D2	1/4" LAG SCREWS	WOOD SG>=0.55	1.5	0.75
	D3	"SAMMYS SSC" SCREW	WOOD SG>=0.55	1.5	0.75

NOTES:  
EMB. - ANCHOR EMBEDMENT  
ED - EDGE DISTANCE

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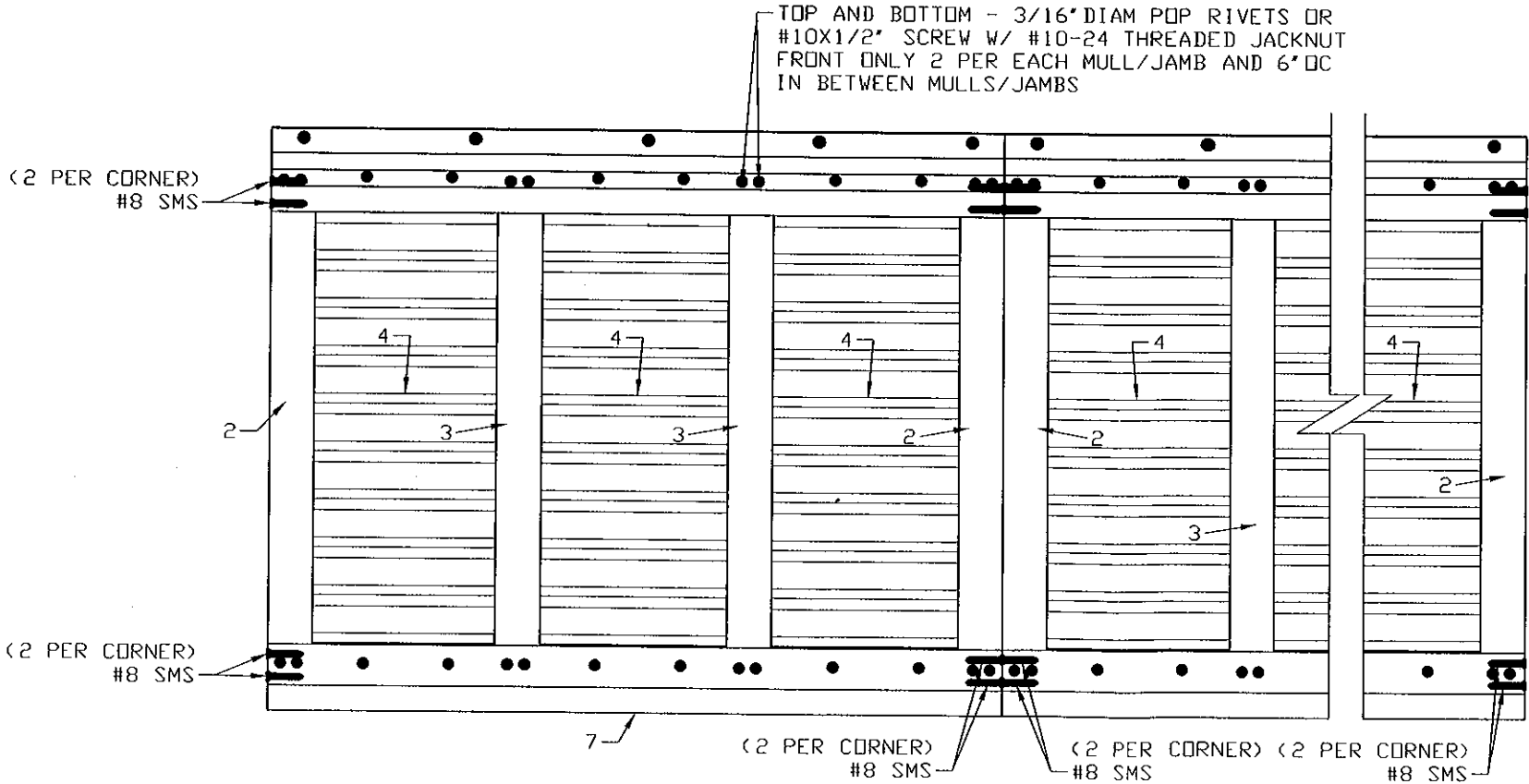
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Expiration Date 04/01/2014  
By *Helena A. de la Cruz*  
Miami Dade Product Control

Date: 03/24/12  
Scale: NA  
Design by: PPMF

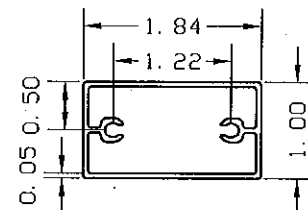
Drawing Number  
12-061

SHEET  
4 of 5

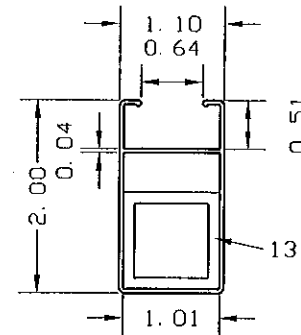
SHADE ASSEMBLY



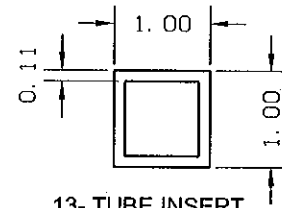
# PRODUCT COMPONENTS



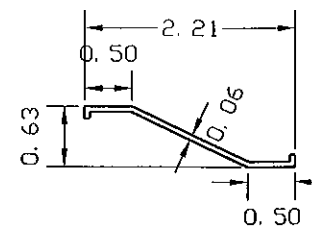
1- TOP & BOTTOM RAIL  
6063-T6 ALUMINUM



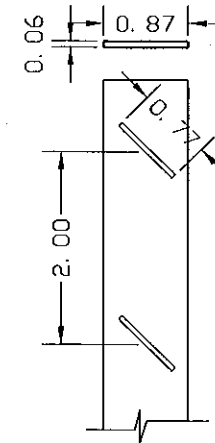
2- JAMB  
6063-T6 ALUMINUM



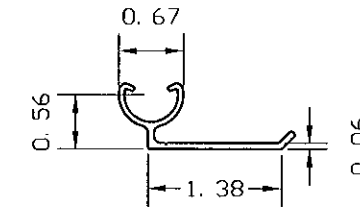
13- TUBE INSERT  
6063-T6 ALUMINUM



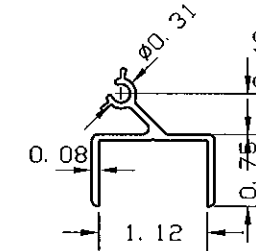
4- LOUVER SLAT  
6063-T6 ALUMINUM



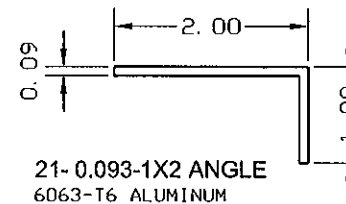
5- LOUVER STRIP  
6063-T6 ALUMINUM



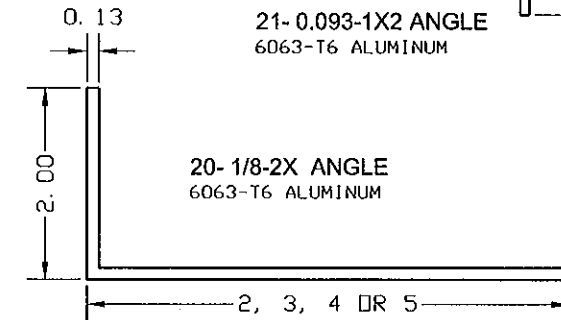
10- FEMALE HINGE  
6063-T6 ALUMINUM



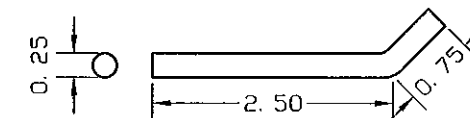
9- MALE HINGE  
6063-T6 ALUMINUM



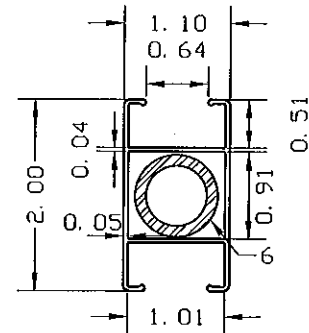
21- 0.093-1X2 ANGLE  
6063-T6 ALUMINUM



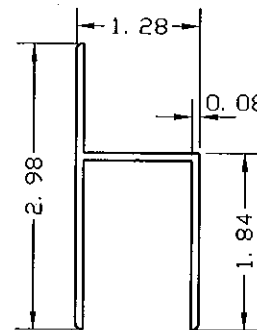
20- 1/8-2X ANGLE  
6063-T6 ALUMINUM



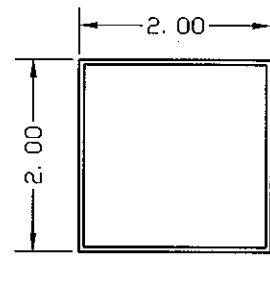
14- L PIN  
6063-T6 ALUMINUM



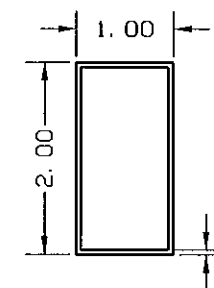
3- CENTER MULLION  
6063-T6 ALUMINUM



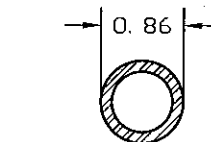
7- TIE DOWN  
6063-T6 ALUMINUM



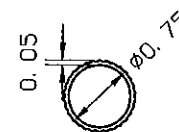
22- 1/16-2X2 TUBE  
6063-T6 ALUMINUM



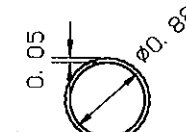
23- 1/16-1X2 TUBE  
6063-T6 ALUMINUM



6- STEEL REINFORCEMENT  
ASTM A53 TYPE S GRADE B  
1/2\"/>



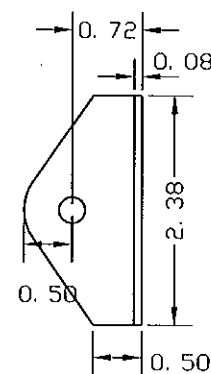
12a- INNER PIPE  
6063-T6 ALUMINUM



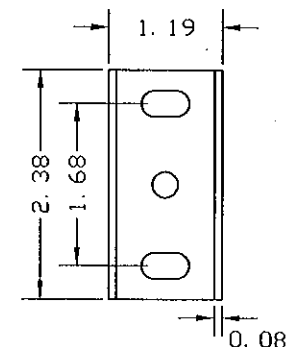
12b- OUTER PIPE  
6063-T6 ALUMINUM



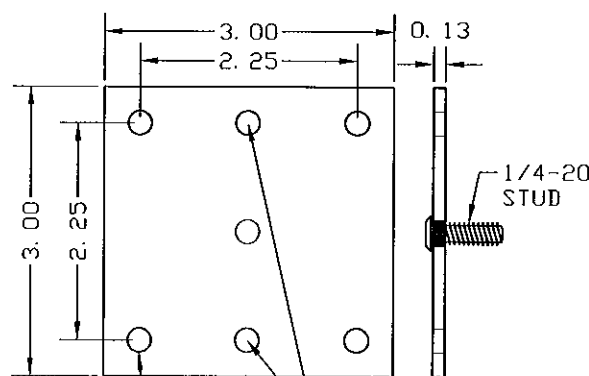
6a- WASHERED WING NUT  
ZAMAC 3 ALLOY



11b- L CAMEL BACK HINGE  
6063-T6 ALUMINUM



11c- XL CAMEL BACK HINGE  
6063-T6 ALUMINUM



8- TIE DOWN PLATE  
6063-T6 ALUMINUM

MANUFACTURER:  
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6865 NW 36th AVE.  
MIAMI, FLORIDA 33147  
TEL.: (305) 635-0900  
FAX.: (305) 634-9078

PRODUCT:  
**SHADE BAHAMA**  
DECORATIVE SHADE LOUVER

Engineering:  
**EngCo Inc.**  
CA 8116  
5595 Orange Dr. 201  
Davie, FL 33314  
Tel.: (954) 585-0304  
Fax: (954) 585-0305  
ENGCO@AOL.COM



MIAMI-DADE BCCD:

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0423-10  
Expiration Date 04/01/2014  
By *[Signature]*  
Miami Dade Product Control

Date: 03/24/12  
Scale: NA  
Design by: PPMF

Drawing Number  
**12-061**

SHEET  
**5 of 5**